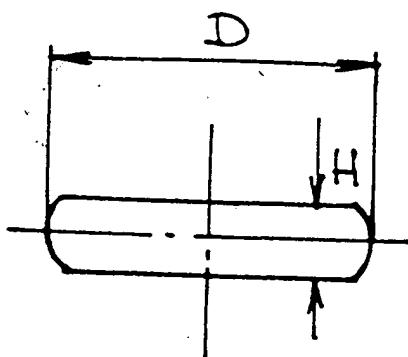
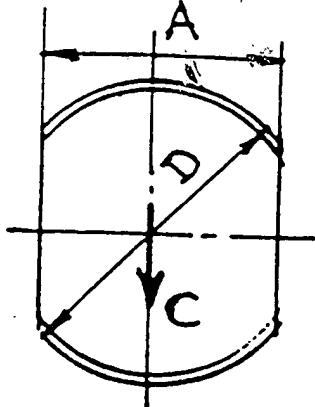


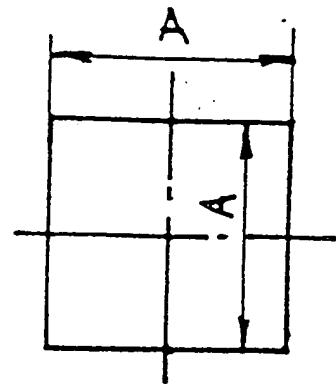
**FIGURE 1A**



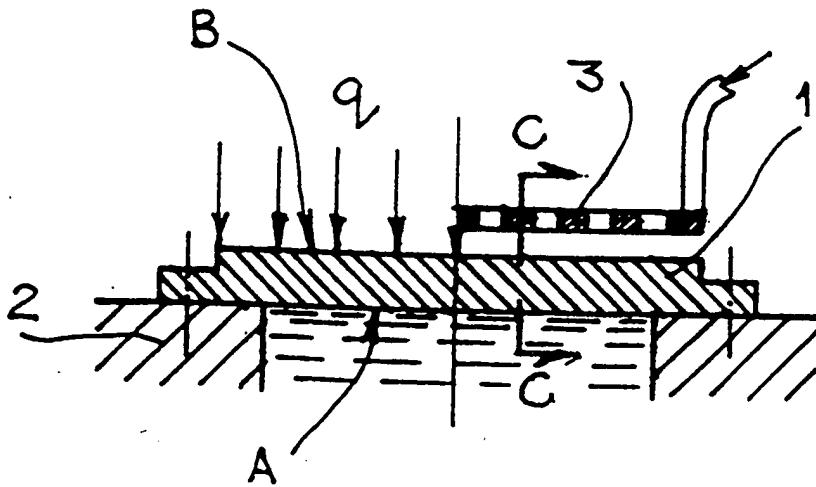
**FIGURE 1B**



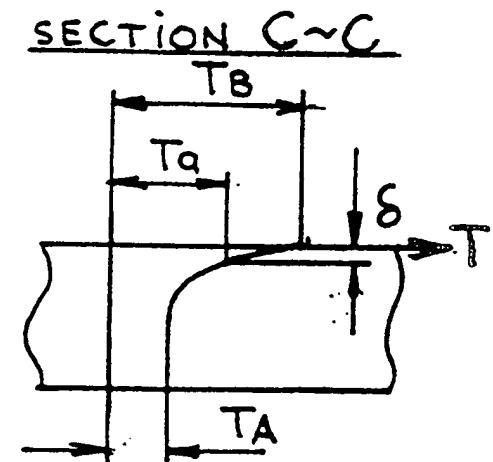
**FIGURE 1C**



**FIGURE 1D**



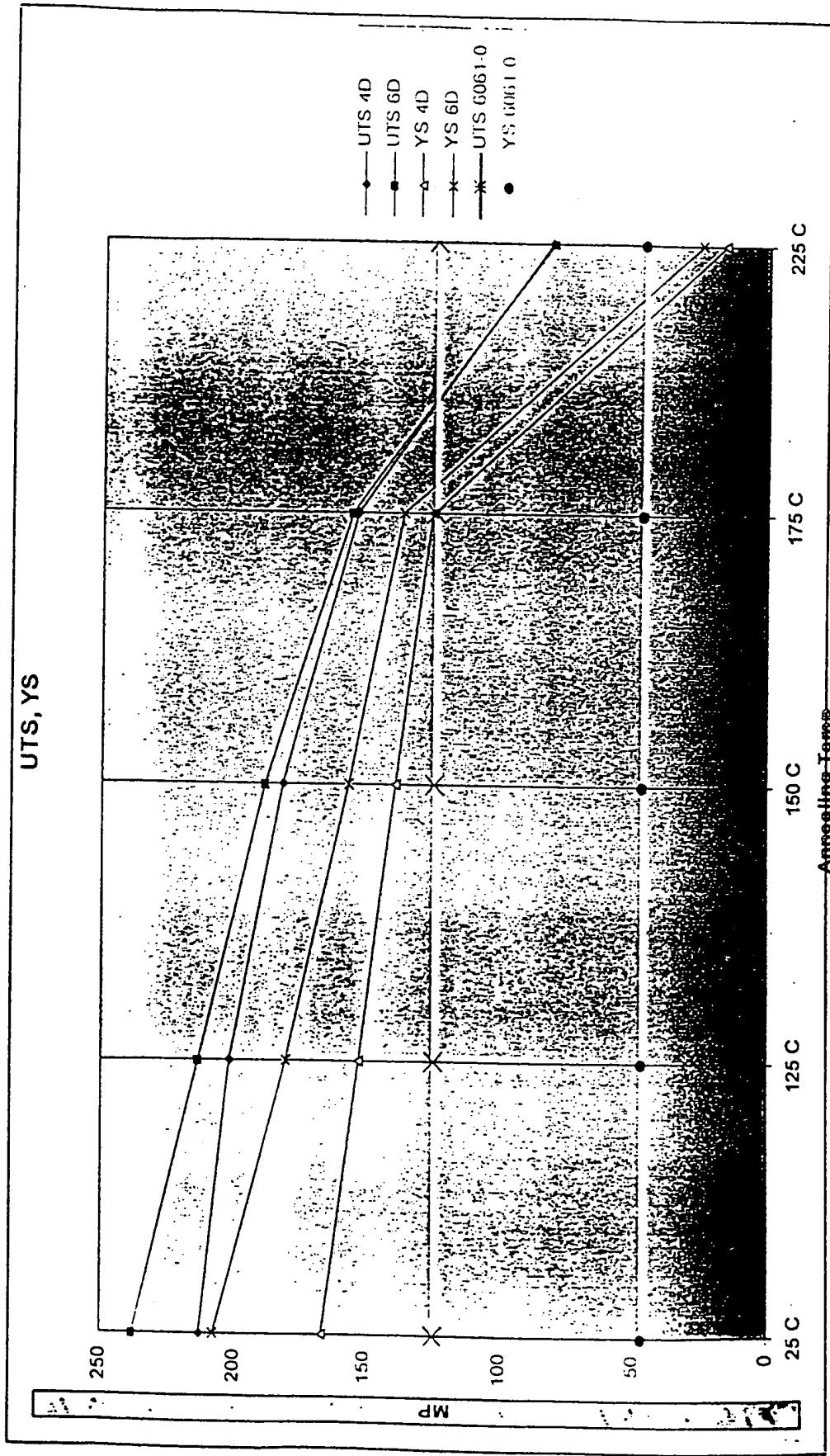
**FIGURE 3A**



**FIGURE 3B**

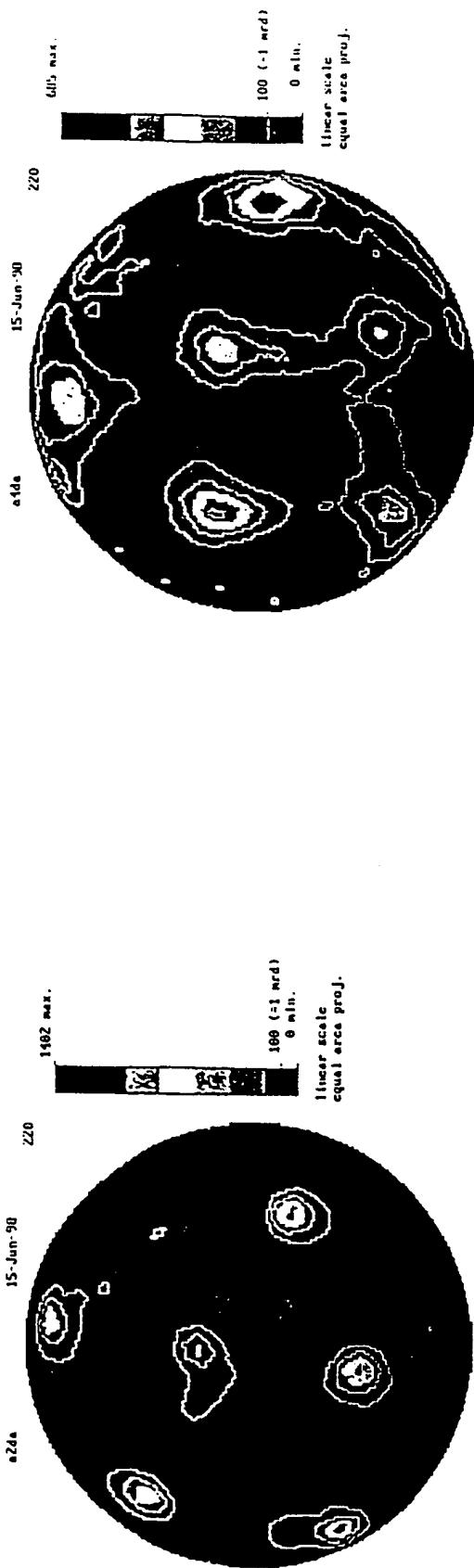
# Strength of ECAE Al+0.5Cu VS AA 6061-0

FIGURE 2

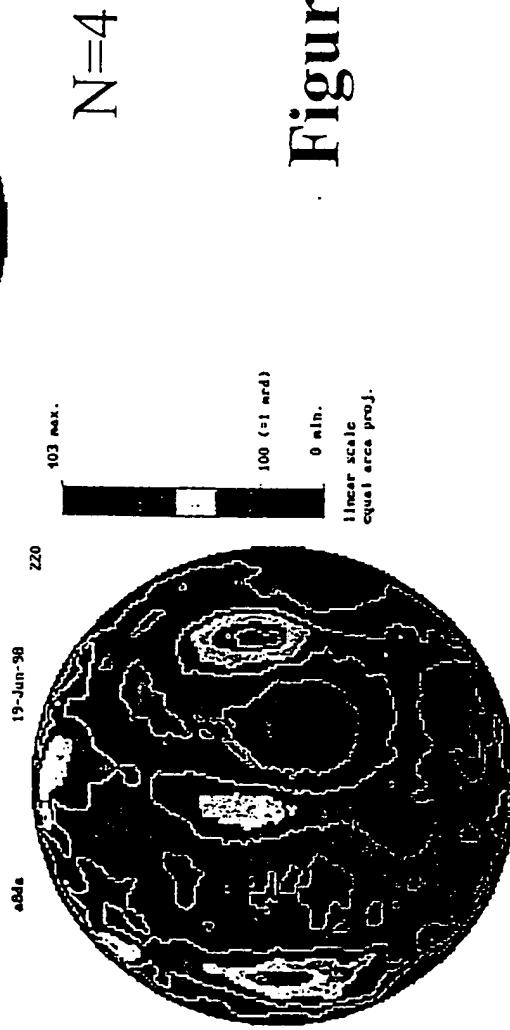


STRUCTURAL ANALYSIS OF EFFECTS OF DEFORMED Al-5Cu SPREADING OF ORIENTATIONS AS N INCREASES

RCO. THE D as determined by (220) reflection



N=2



N=4

Figure 4

N=8

Al.5 Cu  
INFLUENCE OF ECAE DEFORMATION ROUTE  
AND STRENGTH OF INITIAL TEXTURE ON TEXTURE FORMATION IN  
FUNCTION OF NUMBER OF ECAE PASSES

EVOLUTION OF OD INDEX AFTER ECAE DEFORMATION VIA ROUTE A,B,C AND D IN  
THE AS-DEFORMED STATE FOR A STRONG AND WEAK INITIAL TEXTURE

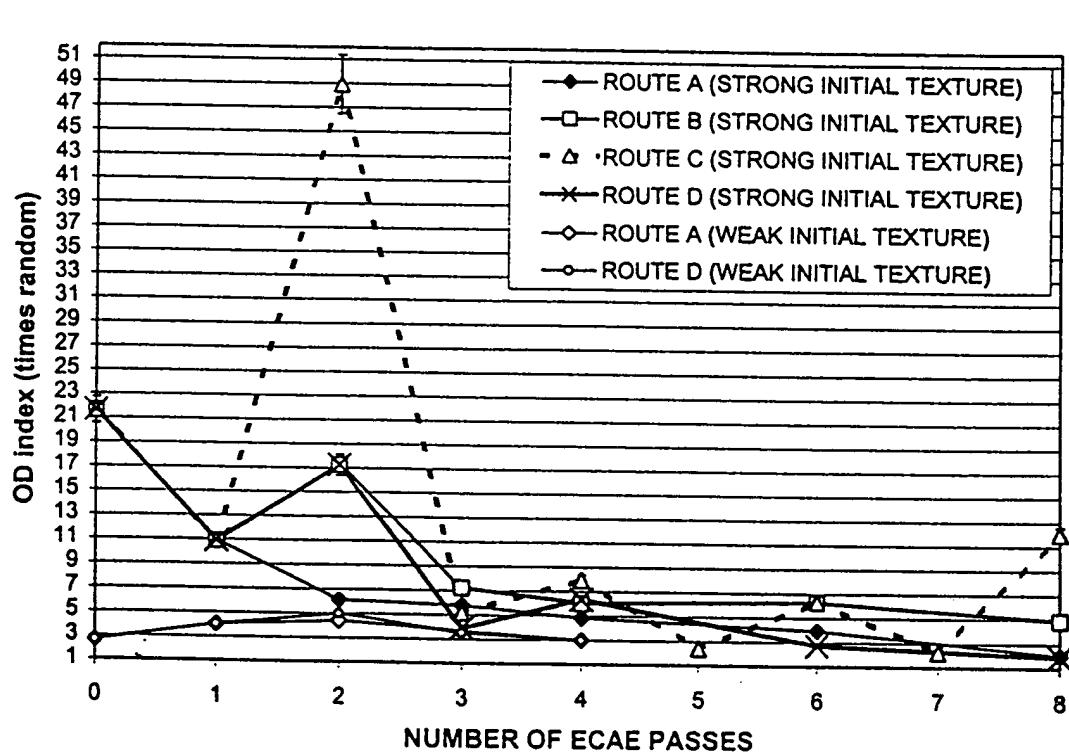


FIGURE 5

Al .5 Cu  
INFLUENCE OF ANNEALING TREATMENT  
ON TEXTURE FORMATION FOR ROUTE A

EVOLUTION OF OD INDEX FOR A STRONG INITIAL TEXTURE AFTER ECAE DEFORMATION VIA ROUTE A AND SUBSEQUENT ANNEALING AT TEMPERATURES:  
-BELOW STATIC RECRYSTALLIZATION (150°C, 1h),  
-AT THE BEGINNING OF STATIC RECRYSTALLIZATION (225°C, 1h)  
-AFTER FULL STATIC RECRYSTALLIZATION (300°C, 1h)

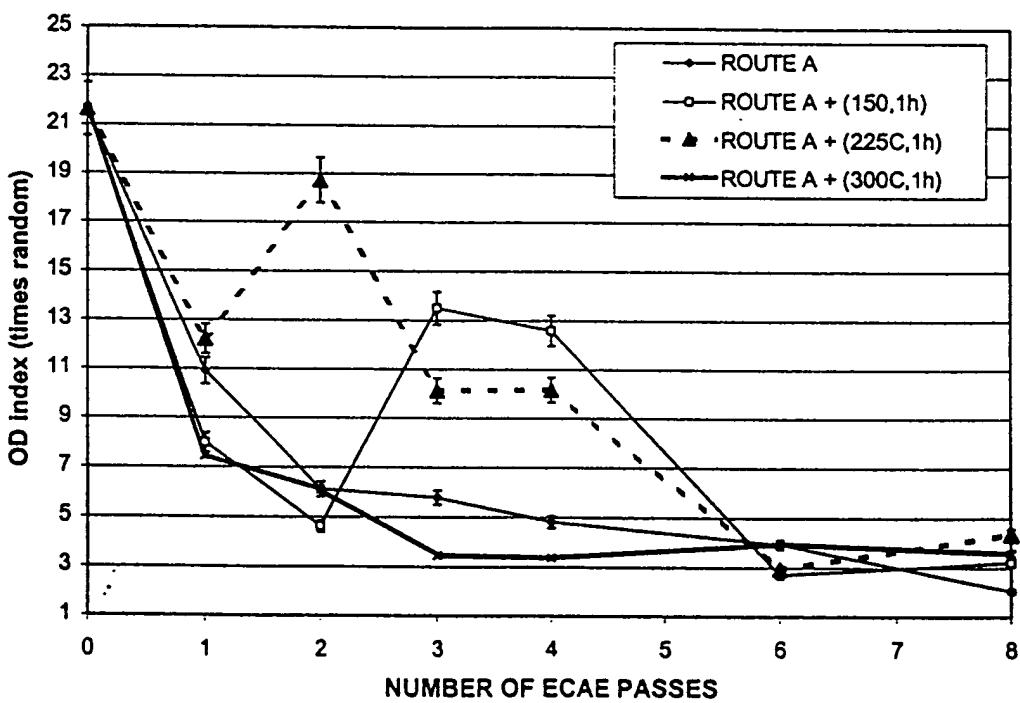


FIGURE 6

Al .5 Cu  
INFLUENCE OF ANNEALING TREATMENT  
ON TEXTURE FORMATION FOR ROUTE B

EVOLUTION OF OD INDEX FOR A STRONG INITIAL TEXTURE AFTER ECAE  
DEFORMATION VIA ROUTE B AND SUBSEQUENT ANNEALING AT TEMPERATURES:  
- BELOW STATIC RECRYSTALLIZATION (150°C, 1h),  
- AT THE BEGINNING OF STATIC RECRYSTALLIZATION (225°C, 1h)  
- AFTER FULL STATIC RECRYSTALLIZATION (300°C, 1h)

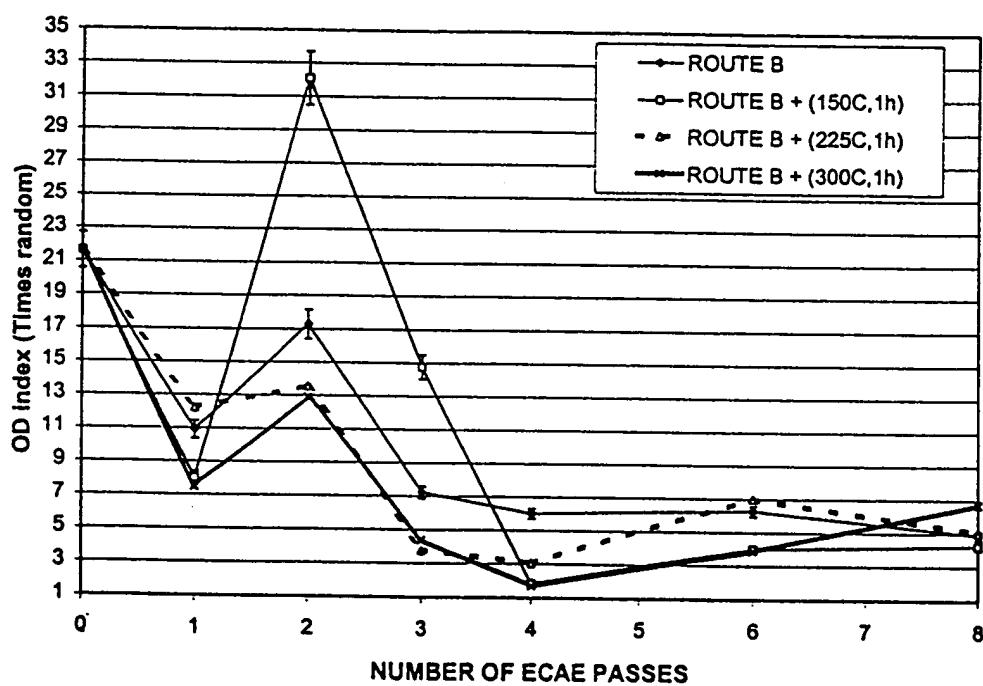


FIGURE 7

Al .5 Cu  
INFLUENCE OF ANNEALING TREATMENT  
ON TEXTURE FORMATION FOR ROUTE C

EVOLUTION OF OD INDEX FOR A STRONG INITIAL TEXTURE AFTER ECAE DEFORMATION VIA  
ROUTE C AND SUBSEQUENT ANNEALING AT TEMPERATURES:

- BELOW STATIC RECRYSTALLIZATION (150°C, 1h),
- AT THE BEGINNING OF STATIC RECRYSTALLIZATION (225°C, 1h)
- AFTER FULL STATIC RECRYSTALLIZATION (300°C, 1h)

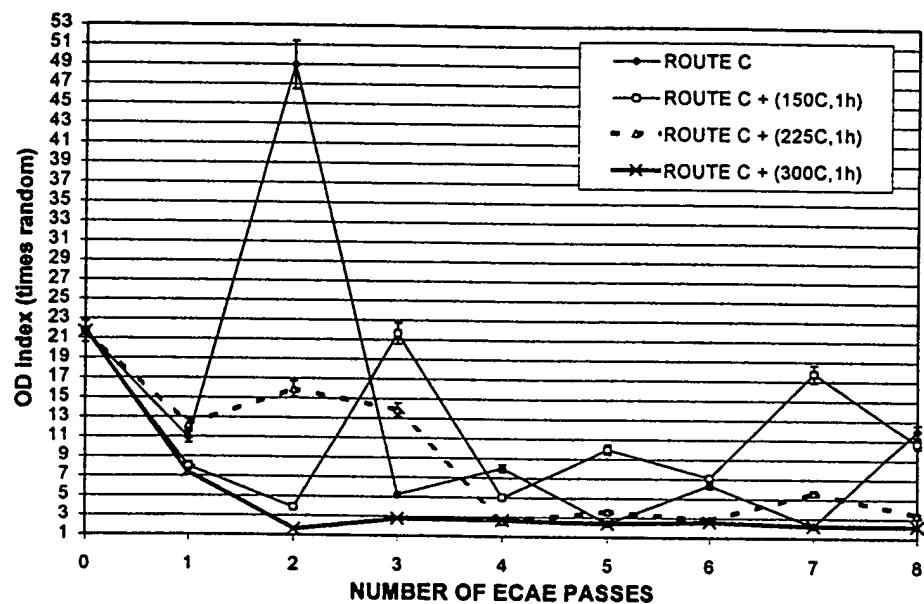


FIGURE 8

Al .5 Cu  
INFLUENCE OF ANNEALING TREATMENT  
ON TEXTURE FORMATION FOR ROUTE D

EVOLUTION OF OD INDEX FOR A STRONG INITIAL TEXTURE AFTER ECAE  
DEFORMATION VIA ROUTE D AND SUBSEQUENT ANNEALING AT TEMPERATURES:  
-BELOW STATIC RECRYSTALLIZATION (150°C, 1h),  
-AT THE BEGINNING OF STATIC RECRYSTALLIZATION (225°C, 1h)  
-AFTER FULL STATIC RECRYSTALLIZATION (300°C, 1h)

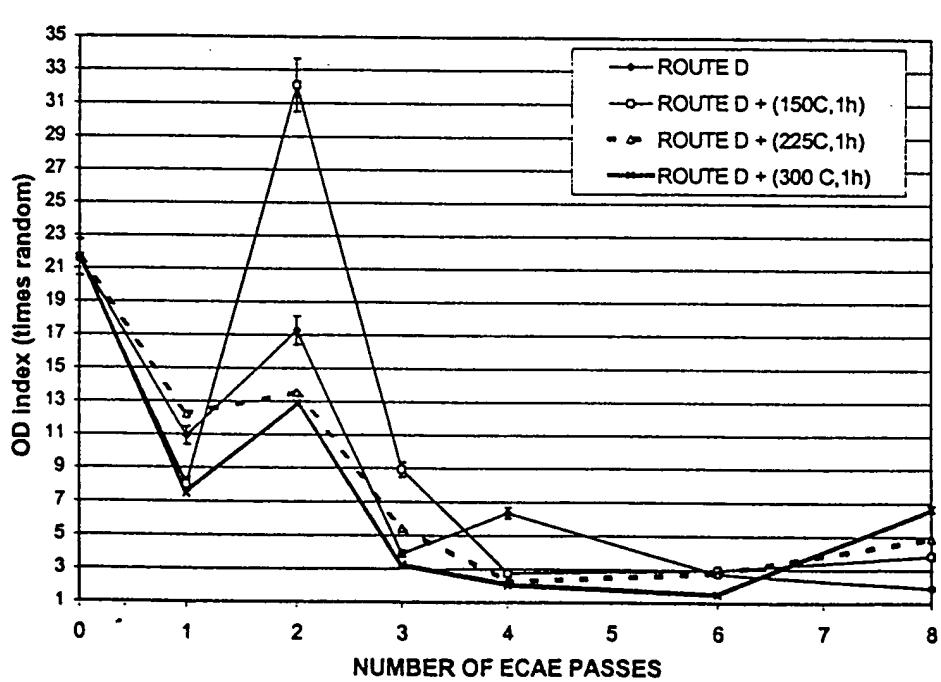
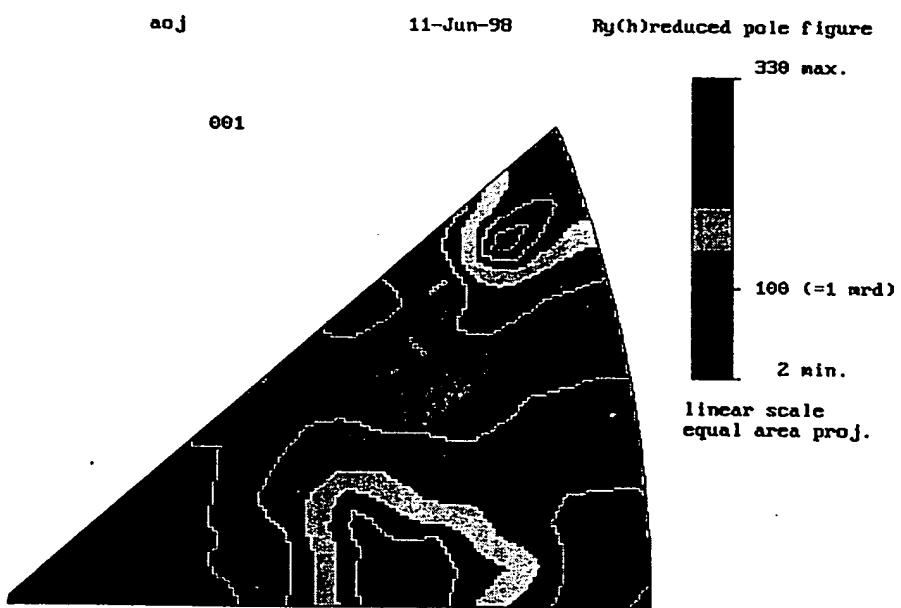
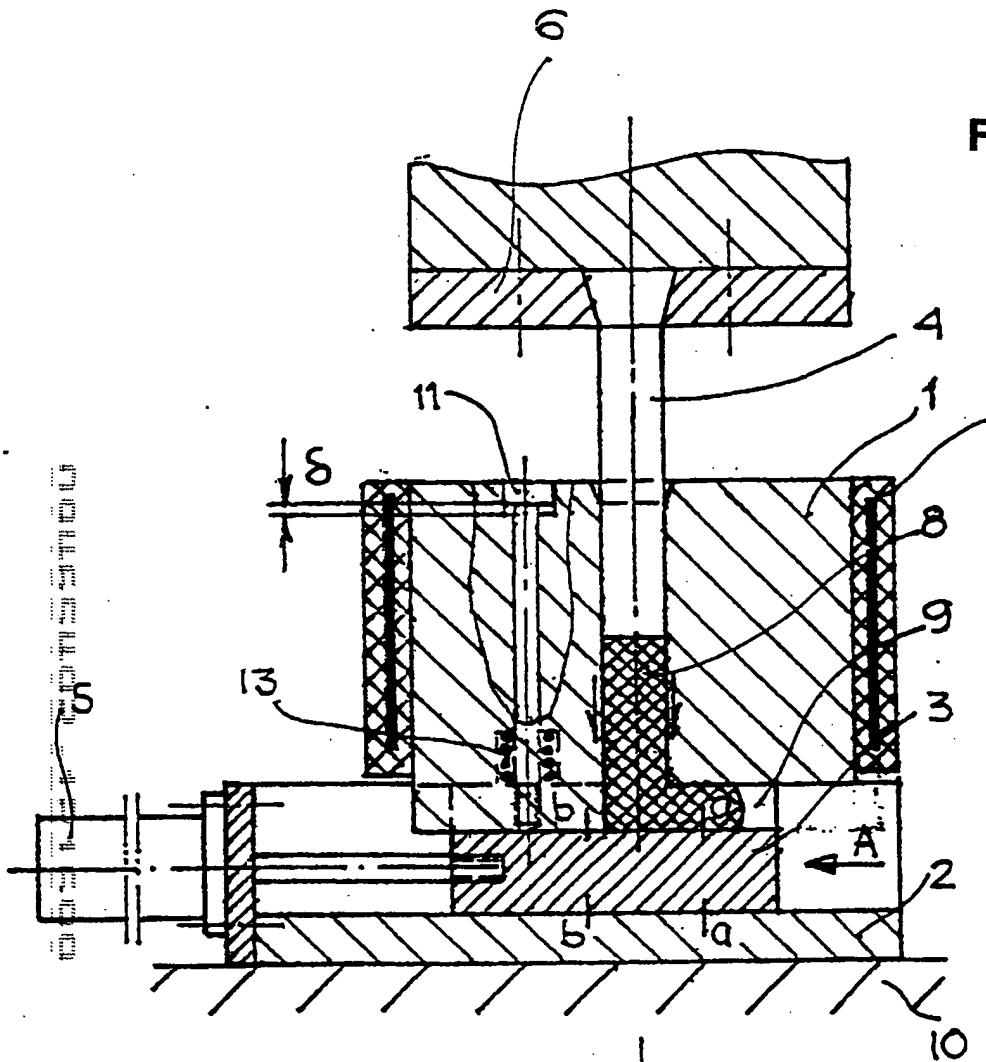


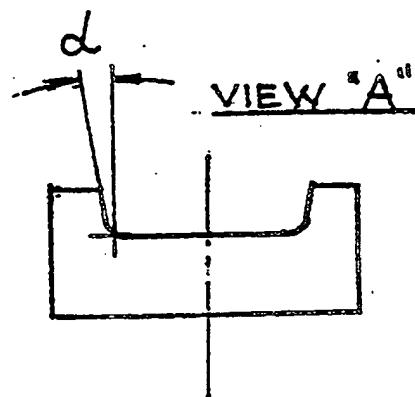
FIGURE 9

# Figure 10





## FIGURE 11



## FIGURE 11B

